

New York Oct 18th. 1854

Prof J. C. Booth

Dear Sir

I have to trouble you again with a few Enquiries, the statements of the men are so at variance with what I learned at the Mint that I am somewhat puzzled.

Queries

How much NO_5 to each pound of granulated metal?
How much SO_5 and In to a filler of Chloride?

How much salt for a charge of twenty pots? (150th oz)

If the quantities required by theory & practice were the same I should not have to trouble you
With great regard
Yrs friend
Clarence Morfit.

M. \$1,000,000 Cal^a Gold

20 @ 25,000 ~~40~~ 500,000

2 tons Zinc

120 bushels Salt Turks Island

about $1\frac{1}{2}$ @ $1\frac{3}{4}$ tons oil of vitriol

~~50000~~
-067

3240.00

463

3703

4500 " Fr

¹⁸⁵⁴
 25,000 \$ ~~Oct. 18th~~
 12) 54,000 oz. ~~California~~ ^{New York}
 4500 \$ an
 13,500 \$ (amt 2 lg)

135 : 250 :: 1

$\begin{array}{r} 250 \\ 135 \end{array} (1.86$

221

$\begin{array}{r} 1150 \\ 1080 \\ \hline 700 \\ 545 \\ \hline 1450 \end{array}$

135) 200 (1.48
 $\begin{array}{r} 135 \\ \hline 650 \\ 540 \\ \hline 1100 \\ 1080 \\ \hline 200 \end{array}$

$\begin{array}{r} 1.86 \\ 1.48 \\ \hline 3.34 \\ \hline 1.67 \end{array}$

to 100 granulations

1.86 \$ 205

1.48 — " —

1 $\frac{2}{3}$ — " — average

2 tons zinc pr. \$ million gold

34 x 2 = 68 bushels pr. $\frac{1}{2}$ mill^m
 136 " " \$ mill^m